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OF

OTHNIEL CHARLES MARSH,

1861-1892.



SCIENTIFIC PUBLICATIONS

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OTHNIEL CHARLES MARSH

Professor of Paleontology in Yale University.

1861-1892.

- 1861 The gold of Nova Scotia. *Amer. Jour. Sci.*, (2), vol. 32, pp. 395-400.
Abstract: *Canadian Naturalist*, vol. 6, pp. 427-430.
- 1862 On the Saurian Vertebræ from Nova Scotia. *Amer. Jour. Sci.*, (2), vol. 33, p. 278.
Description of the remains of a new Enaliosaurian (*Eosaurus Acadianus*), from the coal formation of Nova Scotia. *Ibid.*, vol. 34, pp. 1-16, pls. i.-ii. Abstract: *Canadian Naturalist*, vol. 7, pp. 205-213; and *Quart. Jour. Geol. Soc. London*, vol. 19, pp. 52-56, 1863.
- 1863 Catalogue of mineral localities in New Brunswick, Nova Scotia, and Newfoundland. *Amer. Jour. Sci.*, (2), vol. 35, pp. 210-218. Abstract: [In: Dana's Treatise on Mineralogy, 5th ed., New York, 1868, 8 ,] pp. 789-791.
On the science of the International Exhibition. *Amer. Jour. Sci.*, (2), vol. 35, pp. 256-259.
- 1864 Notice of a new fossil Annelid (*Helminthodes antiquus*), from the lithographic slates of Solenhofen. *Ibid.*, vol. 38, p. 415. Abstract: *Zeitschr. deutsch. geol. Gesell.*, vol. 16, p. 363, Berlin; and *Neues Jahrb. Mineral.*, etc., p. 57, Stuttgart, 1865.
- 1865 New genus of Jurassic Annelides (*Ischyracanthus*). *Zeitschr. deutsch. geol. Gesell.*, vol. 17, p. 13, Berlin.
Double lobe-lines of *Ceratites nodosus*. *Ibid.*, pp. 267-269, Berlin.
(Several other short communications will be found in the same volume.)
- 1866 Description of an ancient sepulchral mound near Newark, Ohio. *Amer. Jour. Sci.*, (2), vol. 42, pp. 1-11.
- 1867 Discovery of additional *Mastodon* remains at Cohoes, New York. *Ibid.*, vol. 43, pp. 115-116.
Geological map of the department of the Seine. *Ibid.*, pp. 135-136.
Notice of Kansas geological reports. *Ibid.*, pp. 283-284.

1867 Notice of a new genus of fossil Sponges from the Lower Silurian. *Ibid.*, vol. 44, p. 88.

On the origin of the so-called *Lignilites*, or *Epsomites*. (Read before the American Association for the Advancement of Science, Burlington (Vt.) meeting, Aug., 1867.) *Proc. Assoc.*, vol. 16, pp. 135-143, 1868. Abstract: *Canadian Naturalist*, vol. 3, p. 293, 1868.

On certain effects produced upon fossils by weathering. (Read before the American Association for the Advancement of Science, Burlington (Vt.) meeting, Aug.) Abstract: *Ibid.*, p. 305, 1868.

On some new fossil Sponges from the Lower Silurian. (Read before the American Association for the Advancement of Science, Burlington (Vt.) meeting, Aug.) Abstract: *Ibid.*, p. 301, 1868.

Contributions to the Mineralogy of Nova Scotia. No. 1. *Ledererite identical with Gmelinite*. *Amer. Jour. Sci.*, (2), vol. 44, pp. 362-367.

Several analyses of Minerals from Nova Scotia. [In: Dana's Treatise on Mineralogy. 5th ed., New York, 1868, 8'.]

1868 On the *Palæotrochis* of Emmons from North Carolina. *Amer. Jour. Sci.*, (2), vol. 45, pp. 217-219.

Description of a new species of *Protichnites* from the Potsdam sandstone of New York. (Read before the American Association for the Advancement of Science, Chicago (Ill.) meeting, Aug.) *Proc. Assoc.*, vol. 17, pp. 322-324, 1869. Reprint: *Amer. Jour. Sci.*, (2), vol. 48, pp. 46-49, 1 pl., 1869. Abstract: *Neues Jahrb. Mineral.*, etc., p. 536, Stuttgart, 1871.

On the preservation of color in fossils from Palæozoic formations. (Read before the American Association for the Advancement of Science, Chicago (Ill.) meeting, Aug.) *Proc. Assoc.*, vol. 17, pp. 325-326, 1869.

Observations on the metamorphosis of *Siredon* into *Amblystoma*. *Amer. Jour. Sci.*, (2), vol. 46, pp. 364-374, 1 pl. Same, with additions: (Read before the American Association for the Advancement of Science, Salem (Mass.) meeting, Aug., 1869.) Reprint: *Zoologist*, vol. 4, pp. 1569-1580, 1869. Abstract: *Amer. Naturalist*, vol. 2, p. 493; and *Proc. Boston Soc. Nat. Hist.*, vol. 12, pp. 97-98, 1869.

Notice of a new and diminutive species of fossil Horse (*Equus parvulus*), from the Tertiary of Nebraska. *Amer. Jour. Sci.*, (2), vol. 46, pp. 374-375. Reprint: *Annals and Mag. Nat. Hist.*, (4), vol. 3, pp. 95-96, 1869. Translated: *Kosmos*, vol. 4, p. 346, Leipzig, 1869. Abstract: *Neues Jahrb. Mineral.*, etc., p. 767, Stuttgart, 1869.

1869 Notice of some new Reptilian remains from the Cretaceous of Brazil. *Amer. Jour. Sci.*, (2), vol. 47, pp. 390-392. Reprint: *Annals and Mag. Nat. Hist.*, (4), vol. 3, pp. 442-444. Abstract: *Neues Jahrb. Mineral.*, etc., p. 112, Stuttgart, 1871.

Notice of some new Tertiary and Cretaceous Fishes. (Read before the American Association for the Advancement of Science, Salem (Mass.) meeting, Aug.) *Proc. Assoc.*, vol. 18, pp. 227-230, 1870.

- 1869 Notice of some new Mosasauroid Reptiles from the Greensand of New Jersey. (Read before the American Association for the Advancement of Science, Salem (Mass.) meeting, Aug.) *Amer. Jour. Sci.*, (2), vol. 48, pp. 392-397. Abstract: *Canadian Naturalist*, vol. 4, p. 331; *Amer. Naturalist*, vol. 4, p. 62, 1870; *Geol. Mag.*, vol. 7, pp. 376-377, 1870; and *Neues Jahrb. Mineral.*, etc., p. 526, Stuttgart, 1870.
- On a remarkable locality of Vertebrate remains in the Tertiary of Nebraska. (Read before the American Association for the Advancement of Science, Salem (Mass.) meeting, Aug.) Abstract: *Canadian Naturalist*, vol. 4, pp. 322-323.
- Description of a new and gigantic fossil Serpent (*Dinoplis grandis*), from the Tertiary of New Jersey. *Amer. Jour. Sci.*, (2), vol. 48, pp. 397-400. Abstract: *Amer. Naturalist*, vol. 4, p. 254, 1870.
- 1870 New Vertebrate fossils from New Jersey. *Proc. Acad. Nat. Sci. Phila.*, vol. 22, pp. 2-3.
- New fossil Turkey. *Ibid.*, p. 11. Reprint, with additions: *Amer. Jour. Sci.*, (3), vol. 4, pp. 260-261, 1872. Abstract: *Amer. Naturalist*, vol. 4, p. 317, 1876.
- Notice of some fossil Birds from the Cretaceous and Tertiary Formations of the United States. *Amer. Jour. Sci.*, (2), vol. 49, pp. 205-217. Abstract: *Proc. Acad. Nat. Sci. Phila.*, vol. 22, pp. 5-6; *Geol. Mag.*, vol. 7, pp. 377-378; *Neues Jahrb. Mineral.*, etc., p. 512, Stuttgart; and *Zeitsch. Gesammt. Naturwiss.*, vol. 5, pp. 263-264, Berlin, 1872.
- Note on the remains of fossil Birds. *Amer. Jour. Sci.*, (2), vol. 49, p. 272.
- Notice of a new species of Gavial from the Eocene of New Jersey. *Ibid.*, vol. 50, pp. 97-99. Reprint: *Geol. Mag.*, vol. 7, p. 427.
- Rocky Mountain expedition.—Discovery of the *Mauvaises Terres* formation in Colorado. *Amer. Jour. Sci.*, (2), vol. 50, p. 292. Reprint: *Canadian Naturalist*, vol. 5, p. 240, 1871.
- Several short communications. *Proc. Acad. Nat. Sci. Phila.*, vol. 22.
- 1871 Note on *Lophiodon* from the Miocene of New Jersey. *Ibid.*, vol. 23, pp. 9-10.
- New Reptiles and Fishes from the Cretaceous and Tertiary formations. *Ibid.*, pp. 103-105.
- Scientific expedition to the Rocky Mountains. *Amer. Jour. Sci.*, (3), vol. 1, pp. 142-143.
- On the Geology of the eastern Uintah Mountains. *Ibid.*, pp. 191-198.
- Notice of a fossil forest in the Tertiary of California. *Ibid.*, pp. 266-268. Abstract: *Neues Jahrb. Mineral.*, etc., pp. 892-893, Stuttgart.
- Description of some new fossil Serpents from the Tertiary deposits of Wyoming. *Amer. Jour. Sci.*, (3), vol. 1, pp. 322-329. Translated: *Bollettino del R. Comitato Geologico d' Italia*, vol. 3, pp. 273-278, Firenze, 1872. Abstract: *Neues Jahrb. Mineral.*, etc., p. 986, Stuttgart.

- 1871 Notice of some new fossil Reptiles from the Cretaceous and Tertiary formations. *Amer. Jour. Sci.*, (3), vol. 1, pp. 447-459. Translated: *Boll. R. Comit. Geol. d' Italia*, vol. 3, pp. 278-283, 338-343, Firenze, 1872. Abstract: *Neues Jahrb. Mineral.*, etc., p. 890, Stuttgart; and *Pop. Sci. Rev.*, p. 436.
- Note on a new and gigantic species of Pterodactyle. *Amer. Jour. Sci.*, (3), vol. 1, p. 472. Abstract: *Neues Jahrb. Mineral.*, etc., p. 890, Stuttgart.
- Notice of some new fossil Mammals from the Tertiary formations. *Amer. Jour. Sci.*, (3), vol. 2, pp. 35-44. Translated: *Boll. R. Comit. Geol. d' Italia*, vol. 3, pp. 343-350, Firenze, 1872.
- Notice of some new fossil Mammals and Birds from the Tertiary formation of the West. *Amer. Jour. Sci.*, (3), vol. 2, pp. 120-127. Translated: *Boll. R. Comit. Geol. d' Italia*, vol. 3, pp. 350-353, Firenze, 1872. Abstract: *Neues Jahrb. Mineral.*, etc., pp. 106-107, Stuttgart, 1872; and *Zeitschr. Gesammt. Naturwiss.*, vol. 5, p. 264, Berlin, 1872.
- 1872 Discovery of a remarkable fossil Bird. *Amer. Jour. Sci.*, (3), vol. 3, pp. 56-57. Abstract: *Nature*, vol. 5, p. 348.
- Discovery of additional remains of *Pterosauria*, with descriptions of two new species. *Amer. Jour. Sci.*, (3), vol. 3, pp. 241-248. Abstract: *Neues Jahrb. Mineral.*, etc., p. 983, Stuttgart; and *Nature*, vol. 6, p. 151.
- Discovery of the dermal scutes of Mosasauroid Reptiles. *Amer. Jour. Sci.*, (3), vol. 3, pp. 290-292.
- Notice of a new species of *Hadrosaurus*. *Ibid.*, p. 301.
- Preliminary description of *Hesperornis regalis*, with notices of four other new species of Cretaceous Birds. *Ibid.*, pp. 360-365. Reprint: *Annals and Mag. Nat. Hist.*, (4), vol. 10, pp. 212-217. Translated: *Boll. R. Comit. Geol. d' Italia*, vol. 3, pp. 211-217, Firenze. Abstract: *Nature*, vol. 6, pp. 90-94; *Zeitschr. Gesammt. Naturwiss.*, vol. 5, p. 263, Berlin; *Pop. Sci. Rev.*, pp. 316-317; and *Neues Jahrb. Mineral.*, etc., p. 983, Stuttgart.
- Note on two new Ornithosaurians from Kansas. *Amer. Jour. Sci.*, (3), vol. 3, pp. 374-375.
- On the structure of the skull and limbs in Mosasauroid Reptiles, with descriptions of new genera and species. *Ibid.*, pp. 448-464, pls. x.-xiii. Abstract: *Neues Jahrb. Mineral.*, etc., p. 983, Stuttgart; and *Journal de Zoologie*, vol. 2, pp. 533-536, Paris, 1873.
- Preliminary description of new Tertiary Mammals. Pt. I. *Amer. Jour. Sci.*, (3), vol. 4, pp. 122-128. Abstract: *Neues Jahrb. Mineral.*, etc., pp. 990-991, Stuttgart.
- Note on *Rhinocerosaurus*. *Amer. Jour. Sci.*, (3), vol. 4, p. 147.
- Preliminary descriptions of new Tertiary Mammals. Pts. II., III., and IV. *Ibid.*, pp. 202-224. Abstract: *Neues Jahrb. Mineral.*, etc., pp. 990-991, Stuttgart.
- Notice of some new Tertiary and Post Tertiary Birds. *Amer. Jour. Sci.*, (3), vol. 4, pp. 256-262. Abstract: *Neues Jahrb. Mineral.*, etc., p. 220, Stuttgart, 1873.

- 1872 Preliminary description of new Tertiary Reptiles. Pts. I. and II.
Amer. Jour. Sci., (3), vol. 4, pp. 298-309. Abstract: *Neues Jahrb. Mineral.*, etc., p. 984, Stuttgart.
- Note on *Tinoceras anceps*. *Amer. Jour. Sci.*, (3), vol. 4, p. 322.
 Abstract: *Pop. Sci. Rev.*, p. 94, 1873.
- Notice of a new species of *Tinoceras*. *Amer. Jour. Sci.*, (3), vol. 4, p. 323.
- Notice of some remarkable fossil Mammals. *Ibid.*, pp. 343-344.
- Notice of a new and remarkable fossil Bird. *Ibid.*, p. 344. Reprint:
Annals and Mag. Nat. Hist., (4), vol. 11, p. 80, 1873; and *Amer. Naturalist*, vol. 7, p. 50, 1873. Abstract: *Zeitschr. Gesammt. Naturwiss.*, vol. 6, p. 532, Berlin; and *Pop. Sci. Rev.*, p. 97, 1873.
- Discovery of fossil *Quadrumana* in the Eocene of Wyoming. *Amer. Jour. Sci.*, (3), vol. 4, pp. 405-406. Reprint: *Geol. Mag.*, vol. 10, p. 33, 1873; and *Amer. Naturalist*, vol. 7, pp. 179-180, 1873.
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- Notice of a new Reptile from the Cretaceous. *Amer. Jour. Sci.*, (3) vol. 4, p. 406.
- Discovery of new Rocky Mountain fossils. *Proc. Amer. Philos. Soc.*, vol. 12, pp. 578-579. Translated: *Annales des Sciences Géologiques*, vol. 3, pp. 99-100, Paris, 1873.
- Synopsis of American fossil Birds. Issued separately, Salem, 8°, 4 pp.
 Reprint: [In: Coues's Key to North American Birds, Salem, 8°,] pp. 347-350.
- 1873 Notice of a new species of *Ichthyornis*. *Amer. Jour. Sci.*, (3), vol. 5, p. 74. Abstract: *Zeitschr. Gesammt. Naturwiss.*, vol. 6, p. 532, Berlin, 1872; *Nature*, vol. 7, p. 310; and *Jour. de Zool.*, vol. 2, pp. 40-41, Paris.
- On some of Professor Cope's recent investigations. *Amer. Naturalist*, vol. 7, pp. 51-52.
- On the gigantic fossil Mammals of the order *Dinocerata*. *Amer. Jour. Sci.*, (3), vol. 5, pp. 117-122, pls. i.-ii. Translated: *Annales des Sciences Naturelles (Zoologie)*, vol. 17, pp. 1-8, Paris; and *Jour. de Zool.*, vol. 2, pp. 160-168, Paris. Abstract: *Zeitschr. Gesammt. Naturwiss.*, vol. 6, pp. 533-534, Berlin, 1872; *Geol. Mag.*, vol. 10, pp. 115-116; *Nature*, vol. 7, p. 366; *Pop. Sci. Rev.*, p. 213; and *Neues Jahrb. Mineral.*, etc., pp. 334-335, Stuttgart, 1875.
- On a new sub-class of fossil Birds (*Odontornithes*). *Amer. Jour. Sci.*, (3), vol. 5, pp. 161-162. Reprint: *Amer. Naturalist*, vol. 7, pp. 115-117; and *Annals and Mag. Nat. Hist.*, (4), vol. 11, pp. 233-234. Translated: *Ann. Sci. Nat. (Zool.)*, vol. 17, pp. 8-10, Paris. Abstract: *Pop. Sci. Rev.*, pp. 210-211; and *Neues Jahrb. Mineral.*, etc., p. 334, Stuttgart.
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- Note on the dates of some of Prof. Cope's recent papers. *Ibid.*, pp. 235-236.

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 Additional observations on the *Dinocerata*. *Amer. Jour. Sci.*, (3), vol. 5, pp. 293-296. Abstract: *Nature*, vol. 7, p. 491.
 Supplementary note on the *Dinocerata*. *Amer. Jour. Sci.*, (3), vol. 5, pp. 310-311.
 On the genus *Tinoceras* and its allies. *Amer. Naturalist*, vol. 7, pp. 217-218.
 Notice of new Tertiary Mammals. *Amer. Jour. Sci.*, (3), vol. 5, pp. 407-410. Abstract: *Nature*, vol. 8, p. 76.
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 Reply to Professor Cope's explanation. *Ibid.*, Appendix, pp. i-ix.
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 Small size of the brain in Tertiary Mammals. (Read before the Connecticut Academy of Arts and Sciences, New Haven, June 17.) *Amer. Jour. Sci.*, (3), vol. 8, pp. 66-67. Reprint: *Amer. Naturalist*, vol. 8, pp. 503-504; and *Annals and Mag. Nat. Hist.*, (4), vol. 14, p. 167. Translated: *Jour. de Zool.*, vol. 3, pp. 326-327, Paris. Abstract: *Nature*, vol. 10, p. 273; and *Neues Jahrb. Mineral.*, etc., p. 772, Stuttgart.
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A statement of affairs at Red Cloud Agency, made to the President of the United States. Issued separately, New Haven, 8°, 38 pp.

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On the *Odontornithes*, or Birds with teeth. *Amer. Jour. Sci.*, (3), vol. 10, pp. 403-408, pls. ix.-x. Reprint: *Amer. Naturalist*, vol. 9, pp. 625-631; and *Geol. Mag.*, (2), vol. 3, pp. 49-53, 1876. Translated: *Jour. de Zool.*, vol. 4, pp. 494-502, Paris. Abstract: *Neues Jahrb. Mineral.*, etc., pp. 333-334, Stuttgart, 1876.

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On a new sub-order of *Pterosauria*. *Amer. Jour. Sci.*, (3), vol. 11, pp. 507-509. Abstract: *Annals and Mag. Nat. Hist.*, (4), vol. 18, pp. 195-196; *Jour. de Zool.*, vol. 5, pp. 457-458, Paris; *Neues Jahrb. Mineral.*, etc., pp. 781-782; and *Bibl. Univ. Arch. Sci. Phys. Nat.*, vol. 56, pp. 274-275, Geneva.

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- 1877 Brain of *Coryphodon*. *Amer. Naturalist*, vol. 11, p. 375. Abstract: *Nature*, vol. 17, p. 340, 1878.

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Introduction and succession of Vertebrate life in America. (Vice-President's Address before the American Association for the Advancement of Science, Nashville (Tenn.) meeting, Aug. 30, 1877.) *Proc. Assoc.*, vol. 26, pp. 211-258, 1 pl., 1878. Reprint: Issued separately. New Haven, 8', 57 pp.; *Nature*, vol. 16, pp. 448-450, 470-472, 489-491; *Amer. Jour. Sci.*, (3), vol. 14, pp. 338-378; *Pop. Sci. Mo.*, vol. 12, pp. 511-527, 672-697, 1 pl., 1878. Translated: *Revue Scientifique de la France et de l'Étranger*, (2), vol. 7, pp. 1039-1046, 1064-1074, Paris, 1878. Abstract: *Neues Jahrb. Mineral.*, etc., pp. 442-444, Stuttgart, 1878.

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